

Appendix 8.2A Special Status-Species Table

Scientific Name	Common Name	Federal/State Status	Suitable Habitat Requirements	Suitable Habitat Present Within the Project Site	Suitable Habitat Present Within the Project Vicinity	Potential for Impacts to Species from EPP Project
Invertebrates						
<i>Branchinecta lynchi</i>	Vernal pool fairy shrimp	FT/ST	Ephemeral freshwater habitats, such as vernal pools and swales; clear to tea-colored water, or basalt flow depression pools in unplowed grasslands, but one population occurs in sandstone rock outcrops.	No suitable habitat present	Suitable habitat potentially present	May occur; ephemeral, freshwater habitats occur along railroad and Hayward Regional Shoreline. No impacts from EPP project or site are expected.
<i>Euphydryas editha bayensis</i>	Bay checkerspot butterfly	FT/None	From sea level to treeline through diverse habitats including coastal chaparral, meadows, fields, foothills, open woods, alpine fellfields. Host plants are Indian paintbrush and plantain on Serpentinite soils.	No suitable habitat present.	No suitable habitat present.	Not likely to occur. Occurs across the Bay on the southern peninsula on serpentine soils and associated plant communities. No impacts from EPP project or site are expected.
<i>Incisala mossii bayensis</i>	San Bruno elfin butterfly	FE/None	Rocky outcrops, woody canyons, cliffs. This subspecies is limited to the San Bruno Mountains in San Mateo County, California and a few nearby sites.	No suitable habitat present.	No suitable habitat present.	Unlikely to occur because habitat is limited to San Bruno Mountains in San Mateo County. No impacts from EPP project or site are expected.
<i>Speyeria zerene myrtleae</i>	Myrtle's silverspot	FE/None	Coastal or dune habitat with viola (<i>viola adunca</i>) AS host plant. four populations in coastal terrace prairie, coastal bluff and non-native grassland in western marin and southwester sonoma county.	No suitable habitat present.	No suitable habitat present.	May occur in non-native grasslands that are part of the Hayward Shoreline. No impacts from EPP project or site are expected.

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Fish						
<i>Hypomesus transpacificus</i>	delta smelt	FT/None	Delta smelt are found only in shallow open waters of the upper reaches of the Delta.	No suitable habitat present.	No suitable habitat present.	Does not occur; shallow, open waters like those in the upper reaches of the Delta not present in the project vicinity.
<i>Oncorhynchus kisutch</i>	coho salmon	FE/SE	It is found in many of the short, coastal drainages from the Oregon border south to Monterey Bay. Streams which support populations are San Gregorio, Pescadero, Gazos, Waddell, Scott and San Vicente creeks, the San Lorenzo River, and Soquel and Aptos creeks in San Mateo and Santa Cruz counties.	No suitable habitat present.	No suitable habitat present.	Rare; salmonid seen in Alameda Creek, but not identified in January 2006. No impacts from EPP project or site are expected.
<i>Oncorhynchus mykiss</i> ¹	Central Valley steelhead trout	FT/None	Found in tributaries to the San Francisco Bay, including the south Bay. Pass through the San Francisco Estuary during migration to streams for spawning, and during outmigration to the ocean. Spawn in small streams and tributaries with cold, clean water flowing over graveled bottoms and deep pools.	No suitable habitat present.	Suitable habitat potentially present.	Rare but may occur; limited access to the bay as part of the Alameda Creek Watershed, along Hayward Shoreline and the bay itself. Four adult trout identified in Alameda Creek, March 11, 2006. No impacts from EPP project or site are expected.

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<i>Oncorhynchus tshawytscha</i>	Central Valley spring-run Chinook salmon	FT/ST	Spring-run chinook salmon are primarily found in Butte, Big Chico, Deer, and Mill creeks. There are other waters that contain spring-run salmon, but the bulk of the spring-run salmon are in these four tributaries to the Sacramento River.	No suitable habitat present.	No suitable habitat present.	Unlikely to occur because most fish are found in specific tributaries near Sacramento river in the central valley. However, salmonid was seen January 2006 in Alameda Creek. No impacts from EPP project or site are expected.
Amphibians						
<i>Ambystoma californiense</i>	California tiger salamander	FT/SSC	Occurs in entire central valley and the sf bay area. Prime habitat is annual grassland breed in Vernal pools or man-made ponds. Adults use burrows of ground squirrels and skunks for most of year.	No suitable habitat present.	No suitable habitat present.	Extirpated (2001) based on CNDDDB records. Unlikely to occur due to no suitable breeding or aestivation habitat observed.
<i>Rana aurora draytonii</i>	California red-legged frog	FT/SSC	Found along entire length of state, along the coast ranges in marshes, wetlands, and vernal pools. prefers shorelines with extensive vegetation. requires permanent or nearly permanent pools or ponds for larval development	No suitable habitat present.	Marginal suitable habitat potentially present.	May occur in freshwater marshes or waterways with vegetation. Critical habitat (ALA-1B) designated for CRLF in Alameda County at an area east of Interstate 680 and north of Interstate 580. No impacts from EPP project or site are expected.

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Reptiles						
<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake	FT/ST	Associated with scrub and chaparral in Alameda and Contra Costa counties but may occur in any inner Coast Range plant community, including grasslands, open woodlands, rocky slopes, and along open streams and arroyos near scrub and chaparral	No suitable habitat present.	Suitable habitat potentially present.	May occur in some fragmented, grassland habitats but unlikely because grassland habitats are disturbed and near human development, lack rocky slopes. No impacts from EPP project or site are expected.
<i>Thamnophis sirtalis tetrataenia</i>	San Francisco garter snake	FE/SE	Occur in San Mateo County. Small populations occur near freshwater marshes, ponds, and slow-moving streams along the coast from Sharp Park to Año Nuevo and east into the Santa Cruz Mountains.	No suitable habitat present.	Suitable habitat present.	May occur; ruderal grasslands, freshwater wetlands and marshes are present near local wastewater treatment plant. No impacts from EPP project or site are expected.
Birds						
<i>Charadrius alexandrinus nivosus</i>	Western snowy plover	FT/SSC	Plovers can be found on flat, open coastal beaches, in dunes, and near stream mouths. Habitats used by nesting and non-nesting birds include sandy coastal beaches, salt pans, coastal dredged spoils sites, dry salt ponds, salt pond levees and gravel bars.	No suitable habitat present.	Suitable habitat present.	May occur on salt pond levees. No impacts from EPP project or site are expected.

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<i>Haliaeetus leucocephalus</i>	Bald eagle	FT/None	Requires large bodies of water with free flowing rivers, abundant with fish with adjacent snags or perches. Nests in large, old growth or dominant live tree with open branchwork.	No suitable habitat present.	No suitable habitat present.	May be present on a seasonal basis to use the Bay for foraging purposes but lacks suitable nesting habitat. Potential transmission line collision impacts exist thus bird flight diverters will be used to mitigate.
<i>Pelecanus occidentalis californicus</i>	California brown pelican	FE/SE	Non-breeding California brown pelicans range northward along the Pacific Coast from the Gulf of California to Washington and southern British Columbia. Important roosting sites include offshore rocks and islands, river mouths with sand bars, breakwaters, pilings, and jetties along the Pacific Coast and San Francisco Bay.	No suitable habitat present.	Suitable habitat present.	Likely to occur in Hayward Marshes and the SF Bay. Potential transmission line collision impacts exist thus bird flight diverters will be used to mitigate.
<i>Laterallus jamaicensis coturniculus</i>	California black rail	None/ ST	Inhabits saltwater, brackish, and freshwater marshes. Historically, California black rail was known from the San Francisco Bay area.	No suitable habitat present.	Suitable habitat present.	Could occur at Hayward marshes. No impacts from EPP project or site are expected.
<i>Rallus longirostris obsoletus</i>	California clapper rail	FE/SE	A perennial inhabitant of tidal salt marshes of the greater San Francisco Bay (Bay), although some individuals use brackish marshes during the spring breeding season.	No suitable habitat present.	Suitable habitat present.	Could occur at Hayward marshes. Known to occur at nearby Don Edwards San Francisco Bay NWR. No impacts from EPP project or site are expected.

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<i>Riparia riparia</i>	bank swallow	None/ST	Riparian and lowland habitats; in summer limited to lacustrine, riparian, and vertical coastal banks. feeds over grassland, wetland, water, and cropland. Requires vertical banks and cliffs with fine-textured sandy soil near streams, rivers, lakes, ponds or ocean for nesting.	No suitable habitat present.	Suitable habitat potentially present.	May use adjacent Hayward marshes for feeding but lacks sufficient nesting habitat. No impacts from EPP project or site are expected.
<i>Sterna antillarum browni</i>	California least tern	FSC/SSC	Nesting range is along the Pacific coast from southern Baja California to San Francisco Bay. Least terns usually arrive in California in April and depart in August. They nest in colonies on bare or sparsely vegetated flat substrates near the coast	No suitable habitat present.	Suitable habitat present.	Could occur on salt pond levees at Hayward marshes. .No impacts from EPP project or site are expected.
Mammals						
<i>Reithrodontomys raviventris</i>	salt marsh harvest mouse	FE/SE	It inhabits tidal and nontidal salt marshes of Suisun, San Pablo, and central and south San Francisco bays.	No suitable habitat present.	Suitable habitat present.	Could occur at Hayward marshes. No impacts from EPP project or site are expected.
Plants						
<i>Astragalus tener var. tener</i>	alkali milk-vetch	CNPS	Playas, Valley and foothill grassland,Vernal pools	No suitable habitat present.	Suitable habitat potentially present.	Rare; may be found in fragmented grasslands and vernal pools near Hayward Shoreline. No impacts from EPP project or site are expected.
<i>Acanthomintha duttonii</i>	San Mateo thorn-mint	FE/SE	San Mateo thornmint is restricted to serpentine soils of chaparral and valley and foothill grasslands in San Mateo County. The species occupies slopes and flats with deep, heavy-clay soil inclusions	No suitable habitat present.	No suitable habitat present.	Unlikely to occur because of specific habitat requirements found in San Mateo County.

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<i>Balsamorhiza macrolepis</i> var. <i>macrolepis</i>	big-scale balsamroot	CNPS	Chaparral, cismontane woodland, valley and foothill grassland.	No suitable habitat present.	No suitable habitat present.	Unlikely to occur because no grassland habitat in project area or site. No impacts from EPP project or site are expected.
<i>Centromadia parryi</i> spp. <i>congdonii</i>	Congdon's tarplant	CNPS	Valley and Foothill grassland.	No suitable habitat present.	No suitable habitat present.	Unlikely to occur because no grassland habitat in project area or site. No impacts from EPP project or site are expected.
<i>Chorizanthe robusta</i> var. <i>robusta</i>	robust spineflower	FE/	Cismontane woodland, coastal dunes, Coastal Scrub (Sandy or Gravelly).	No suitable habitat present.	Suitable habitat potentially present.	Rare; may occur along gravelly areas in coastal areas. No impacts from EPP project or site are expected.
<i>Cirsium fontinale</i> var. <i>fontinale</i>	fountain thistle	FE/SE	Inhabits coastal lagoons, estuaries and salt marshes, from Sonoma County south to San Diego County. Found only in permanently submerged areas in a variety of sediment types; able to withstand a wide range of salinities.	No suitable habitat present.	Suitable habitat present.	Likely to occur in salt marshes along Hayward Shoreline. No impacts from EPP project or site are expected.
<i>Cordylanthus maritimus</i> spp. <i>palustris</i>	Point Reyes bird's beak	CNPS	Coastal salt Marshes and Swamps	No suitable habitat present.	Suitable habitat present.	Rare; may occur in salt marshes. No impacts from EPP project or site are expected.
<i>Dirca occidentalis</i>	western leatherwood	CNPS	Broadleaved upland forest, Closed-cone coniferous forest, Chaparral, Cismontane woodland, North Coast coniferous forest, Riparian forest, Riparian woodland	No suitable habitat present.	No suitable habitat present.	Unlikely to occur.

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<i>Eriophyllum latilobum</i>	San Mateo wooly sunflower	FE/SE	San Mateo wooly sunflower is found in shaded moist sites on steep grassy or sparsely wooded slopes of serpentine-influenced soil. The remaining occurrences consist of a few hundred plants scattered along 2.5 miles of Crystal Springs Road in San Mateo County	No suitable habitat present.	No suitable habitat present.	Unlikely to occur because found only in San Mateo County.
<i>Fritillaria liliacea</i>	fragrant fritillary	CNPS	Cismontane woodland, Coastal prairie, Coastal scrub, Valley and foothill grassland (often serpentine).	No suitable habitat present.	No suitable habitat present.	Unlikely to occur because no woodland habitat in project area or site.
<i>Helianthella castanea</i>	Diablo helianthella	CNPS	Broadleafed upland forest, Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland, Valley and foothill grassland.	No suitable habitat present.	No suitable habitat present.	Unlikely to occur because no forest habitat in project vicinity or site.
<i>Hesperolinon congestum</i>	Marin western flax	FT/ST	Marin dwarf-flax is restricted to serpentine soils from Marin County south to San Mateo County, California. Two populations are found in serpentine chaparral; the others occur in serpentine bunchgrass habitat.	No suitable habitat present.	No suitable habitat potentially present.	Unlikely to occur.
<i>Holocarpha macradenia</i>	Santa Cruz tarplant	FT/SE	Coastal prairie, Coastal scrub, Valley and foothill grassland (often clay, sandy).	No suitable habitat present.	Suitable habitat potentially present.	Rare due to very limited coastal prairie habitat in the project vicinity. No impacts from EPP project or site are expected.
<i>Lasthenia conjugens</i>	Contra Costa goldfields	FE/None	Contra Costa goldfields grows in vernal pools within open grassy areas in woodlands and valley grasslands from sea level to 1,500 feet.	No suitable habitat present.	Suitable habitat present.	Rare due to very limited vernal pool habitat in the project vicinity. No impacts from EPP project or site are expected.

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<i>Layia carnosa</i>	beech layia	FE/SE	Sparse dune vegetation cover within stabilized dunes; seldom found among or under continuously dense dune vegetation (e.g., European beachgrass, <i>Ammophila arenaria</i> , mature dune scrub, large stands of dune lupines (<i>Lupinus arboreus</i> , <i>L. chamissonis</i> , <i>L. variicolor</i>)), or highly active dunes. sparse distribution along the central and northern California coast.	No suitable habitat present.	Suitable habitat potentially present.	Unlikely to occur.
<i>Monardella villosa</i> <i>ssp. globosa</i>	robust monardella	CNPS	Broadleafed upland forest openings, Chaparral (openings), Cismontane woodland, Coastal scrub, Valley and foothill grassland.	No suitable habitat present.	No suitable habitat present.	Unlikely to occur.
<i>Navarretia myersii</i> <i>spp. myersii</i>	pincushion navarrettia	CNPS	Vernal pools	No suitable habitat present.	Suitable habitat potentially present.	Rare due to very limited vernal pool habitat in the project area. No impacts from EPP project or site are expected.
<i>Pentachaeta bellidiflora</i>	white-rayed pentachaeta	FE/SE	This species grows in serpentine bunchgrass habitat. Historically, it was known from at least nine sites in Marin, San Mateo, Santa Cruz and Monterey counties.	No suitable habitat present.	No suitable habitat present.	Unlikely to occur due to lack of serpentine bunchgrass habitat in the project area. No impacts from EPP project or site are expected.
<i>Plagiobothrys glaber</i>	hairless popcorn-flower	CNPS	Alkaline Meadows and seeps, coastal salt Marshes and swamps.	No suitable habitat present.	Suitable habitat present.	Unlikely to occur; historically present, may be extinct.
<i>Sanicula maritime</i>	adobe sanicle	None/Rare	Chaparral, Coastal prairie, Meadows and seeps, Valley and foothill grassland (serpentinite/clay),	No suitable habitat present.	No suitable habitat present.	Unlikely to occur due to lack of coastal valleys and meadows near project area. No impacts from EPP project or site are expected.

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<i>Streptanthus albidus</i> <i>ssp. peramoenus</i>	most beautiful jewelflower	CNPS	Chaparral, Cismontane woodland, Valley and foothill grassland (serpentine).	No suitable habitat present.	No suitable habitat present.	Unlikely to occur. Required habitat not present around project site and area.
<i>Suaeda californica</i>	California seablite	FE	Coastal salt marshes and swamps.	No suitable habitat present.	Suitable habitat present.	Rare; may occur in salt marshes. No impacts from EPP project or site are expected.
Federal Status Codes		State Status Codes				
FE – Federally listed as endangered		SE—State listed as endangered				
FT – Federally listed as threatened		ST—State listed as threatened				
FSC – Federal species of concern		SSC—State species of concern				